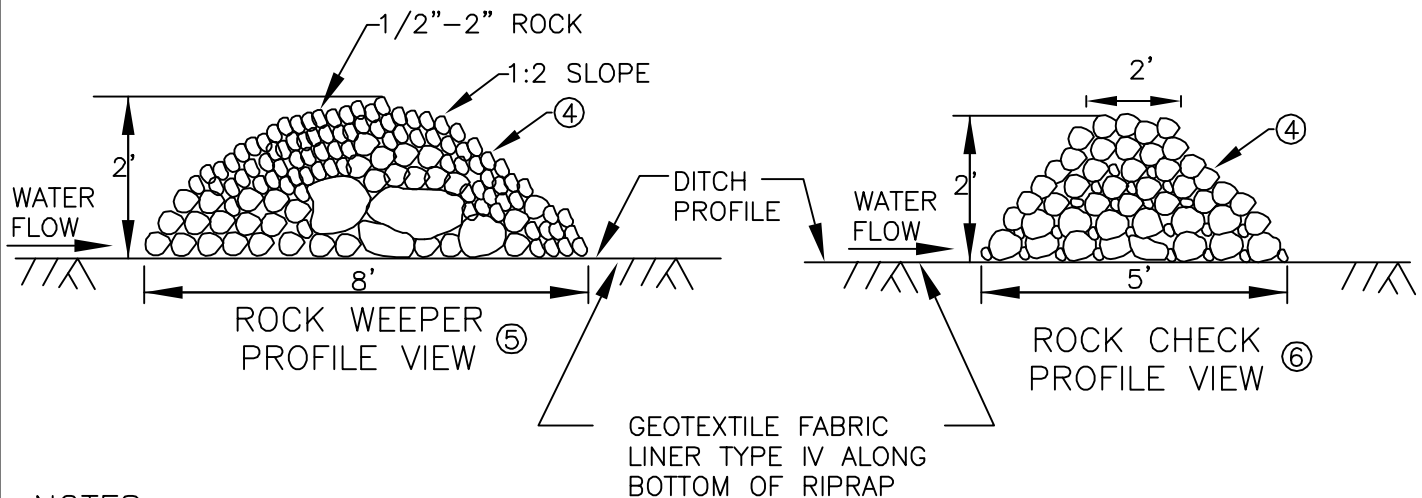


CROSS SECTION (ROCK WEEPER AND ROCK CHECK)



NOTES:

1. SEE MNDOT SPECS 2573, 3601, 3733 & 3889
2. APPROXIMATE SPACING BETWEEN EACH DITCH CHECK SHOULD BE DETERMINED FROM THE FOLLOWING SPACING FORMULA

$$\text{APPROXIMATE SPACING OF DITCH CHECK (FT)} = Y = \frac{\text{DITCH CHECK HEIGHT (FT)}}{\% \text{ CHANNEL SLOPE}} \times 100$$

3. POINT "A" MUST BE A MINIMUM OF 6 INCHES HIGHER THAN POINT "B" TO ENSURE THAT WATER FLOWS OVER THE DIKE AND NOT AROUND THE ENDS.
4. CLASS I-IV RIPRAP (SPEC. 3601) WITH GEOTEXTILE FABRIC LINER, TYPE IV (SPEC 3733)
5. THE ROCK WEEPER FILTERS SEDIMENT OUT OF THE WATER BETTER THAN THE OTHER DITCH CHECKS. THE ROCK WEEPERS COULD BE USED AS A PERMANENT WATER FILTERING FEATURE.
6. PERMANENT ROCK DITCH CHECKS PLACED WITHIN THE CLEAR ZONE WILL NEED TO BE 18" OR LESS IN HEIGHT. A 1:6 APPROACH AND DEPARTURE SLOPE SHALL BE PROVIDED.

ROCK WEEPER & ROCK
CHECK DITCH CHECKS

PLATE NO. LV-STM-24

DATE 5/5/14